## Amendments to the Claims

Please amend Claims 1 and 11. The Claim Listing below will replace all prior versions of the claims in the application:

## Claim Listing

- (Currently amended) A method for treating biologic tissue with pulse light, comprising:

  generating a long effective output light pulse comprising a series of sub-pulses
  having a fractional duty cycle over a selected effective pulse duration, a periodicity that is
  less than the thermal relaxation time of a targeted structure, and an interpulse-delay
  between successive sub-pulses that is greater than the thermal relaxation time of
  non-targeted structures within the treatment area, the targeted structures being
  substantially adjacent to the non-targeted structures within the treatment area; and
  delivering the output light to the tissue of a patient.
- 2. (Original) The method as described in Claim 1 wherein the output light pulse comprises a laser light pulse.
- (Original) The method as described in Claim 1 wherein the effective pulse duration is approximately equal to the thermal relaxation time of the targeted structure.
- (Original) The method as described in Claim 1 wherein the targeted structure comprises blood vessels.
- (Original) The method as described in Claim 4 wherein the targeted blood vessels are larger than 30 microns in diameter.
- (Original) The method as described in Claim 1 wherein the effective pulse duration is larger than 0.1 msec.

- (Original) The method as described in Claim 1 wherein the effective pulse duration is larger than 0.5 msec.
- 8. (Original) The method as described in Claim 1 wherein the effective pulse duration is larger than 5 msec.
- (Original) The method as described in Claim 1 wherein the effective pulse duration is larger than 50 msec.
- 10. (Original) The method as described in Claim 1 wherein the non-targeted structures include normal-sized blood-vessels.
- 11. (Currently amended) A system for treating biologic tissue, comprising:
  - a pulse light source for generating a long effective output light pulse comprising a series of sub-pulses having a fractional duty cycle over a selected effective pulse duration, a periodicity that is less than the thermal relaxation time of a targeted structure, and an interpulse-delay between successive sub-pulses that is greater than the thermal relaxation time of non-targeted structures within the treatment area the targeted structures being substantially adjacent to the non-targeted structures within the treatment area; and
    - a light delivery system that transmits the pulse light to the tissue of the patient.
- 12. (Original) The system as described in Claim 11 wherein the pulse light source is a laser.
- 13. (Original) The system as described in Claim 12 wherein the laser is a dye laser.
- 14. (Original) The system as described in Claim 12 wherein the laser is a gas discharge laser.
- 15. (Original) The system as described in Claim 12 wherein the laser is a solid-state laser.
- 16. (Original) The system as described in Claim 12 wherein the laser is an alexandrite laser.

- 17. (Original) The system as described in Claim 12 wherein the laser is a ruby laser.
- 18. (Original) The system as described in Claim 12 wherein the laser is an Nd:YAG laser.
- 19. (Original) The system as described in Claim 11 wherein the effective pulse duration is approximately equal to the thermal relaxation time of the targeted structure.
- 20. (Original) The system as described in Claim 11 wherein the targeted structure comprises blood vessels.
- 21. (Original) The system as described in Claim 20 wherein the targeted blood vessels are larger than 30 microns in diameter.
- (Original) The system as described in Claim 11 wherein the non-targeted structures include normal-sized blood-vessels.